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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 30648.3-2015

**Paints and varnishes -- Determination of resistance to liquids --
Part 3: Method using an absorbent medium**

色漆和清漆 耐液体性的测定 第3部分：利用吸收介质的方法

(English Translation)

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Foreword

GB/T 30648 "Paints and varnishes - Determination of resistance to liquids" is divided into the following five sections.

--- Part 1. Immersion in liquids other than water;

--- Part 2. Water immersion method;

--- Part 3. Using the method of absorption of the medium;

--- Part 4. drip method;

--- Part 5. The oven has a temperature gradient method.

This section is GB/T Part of 330,648.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted Law Amendment uses ISO 2812-3:2007 "Paints and varnishes - Determination of resistance to liquids - Part 3. Lee Methods "by some absorbing medium.

This part of ISO 2812-3:2007 as compared to the existence of technical differences between the terms of these differences has been involved through its outer margins A single vertical line (|) the location was marked, the list given in Appendix A corresponding technical differences and their causes.

This section also made the following editorial changes.

--- Chapter 4 shall be renumbered column item;

--- Increase the informative Appendix A, the ISO 2812-3:2007 Information in Appendix A to this standard informative Appendix B.

This part is proposed by the China Petroleum and Chemical Industry Association.

This part of the National Standardization Technical Committee and the pigment coating (SAC/TC5) centralized.

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1 Scope

GB/T 30648 provisions of this part of the medium was measured using an absorption single coating or composite coating resistant to liquid or paste the role of test solution Test methods.

The method can determine the effect of the test solution on the coating surface, or the extent of damage to the substrate.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3186 Paints, varnishes and raw materials for paints and varnishes - Sampling (GB/T 3186-2006, ISO 15528:2000, IDT) Laboratory use specifications and test methods GB/T 6682-2008 Analysis GB/T 9271 Paints and varnishes - Standard panels for (GB/T 9271-2008, ISO 1514:2004, MOD) GB/T 9278 paint sample conditioning and testing temperature and humidity (GB/T 9278-2008, ISO 3270. 1984, IDT) GB/T 13452.2 Paints and varnishes - Determination of film thickness (GB/T 13452.2-2008, ISO 2808:2007, IDT) GB/T 20777 Paints and varnishes examination and preparation of samples (GB/T 20777-2006, ISO 1513:1992, IDT) the number and size of the ISO 4628-1 Paints and varnishes - Evaluation of degradation of coatings defects and uniformity of appearance change logo Part 1. General and identification system (Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 1. Generalin-troductionanddesignationsystem) the number and size of the ISO 4628-2 Paints and varnishes - Evaluation of degradation of coatings defects and uniformity of appearance change logo Part 2. Evaluation of gassing (Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 2. Assessment ofdegreeofblistering) Principle 3 Make use absorption medium painted test panels are exposed to the test solution, the coating on exposure assessment in accordance with agreed criteria.

4 Equipment

WARNING. To prevent an explosion or fire, for products containing volatile flammable substances should be handled with care, should be strictly in accordance with national regulations carried out.

Normal laboratory equipment and the following instruments.

Test apparatus equipped with forced ventilation can be at a higher temperature (up to 40 °C) at, and the temperature can be maintained at ± 3 °C Fan. --- heating box Enclosed within;

--- Surface dish. diameter of about 40mm, curvature of the surface of the dish is not in contact with the filter layer;